

EXHIBIT 20



MAPS

A look back at 15 years of mapping the world

Feb 06, 2020 · 5 min read



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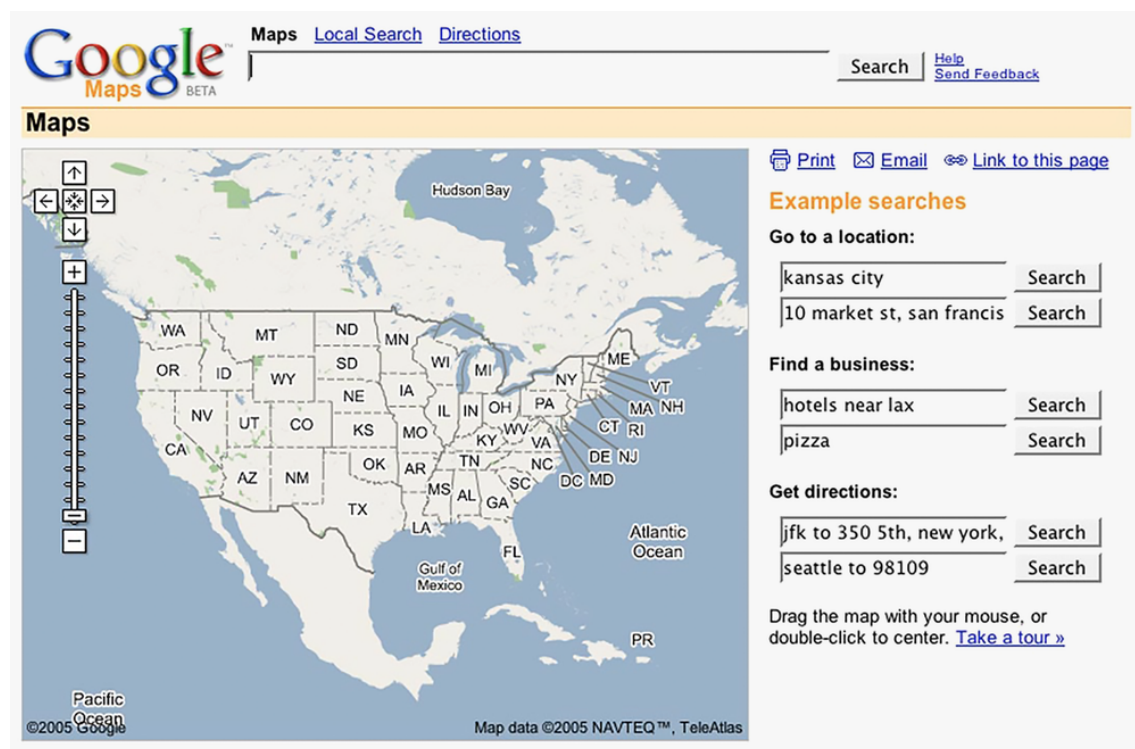
Elizabeth ReidVice President of Engineering,
Google Maps

The Keyword

is today has been an unbelievable experience. As we've added features and capabilities, Google Maps has evolved into much more than a website that gives you turn-by-turn directions. Today, it's a gateway to exploring the world—both digitally and in real life, on foot or by car, via public transit or a wheelchair.

Pardon the pun, but it's been a long road! And in honor of Google Maps's birthday, we're looking back at some of the most important and exciting moments along the way.

1. Google Maps is born. On Feb 8, 2005, [Google Maps was first launched for desktop](#) as a new solution to help people “get from point A to point B.” Today, Google Maps is used by more than 1 billion people all over the world every month.



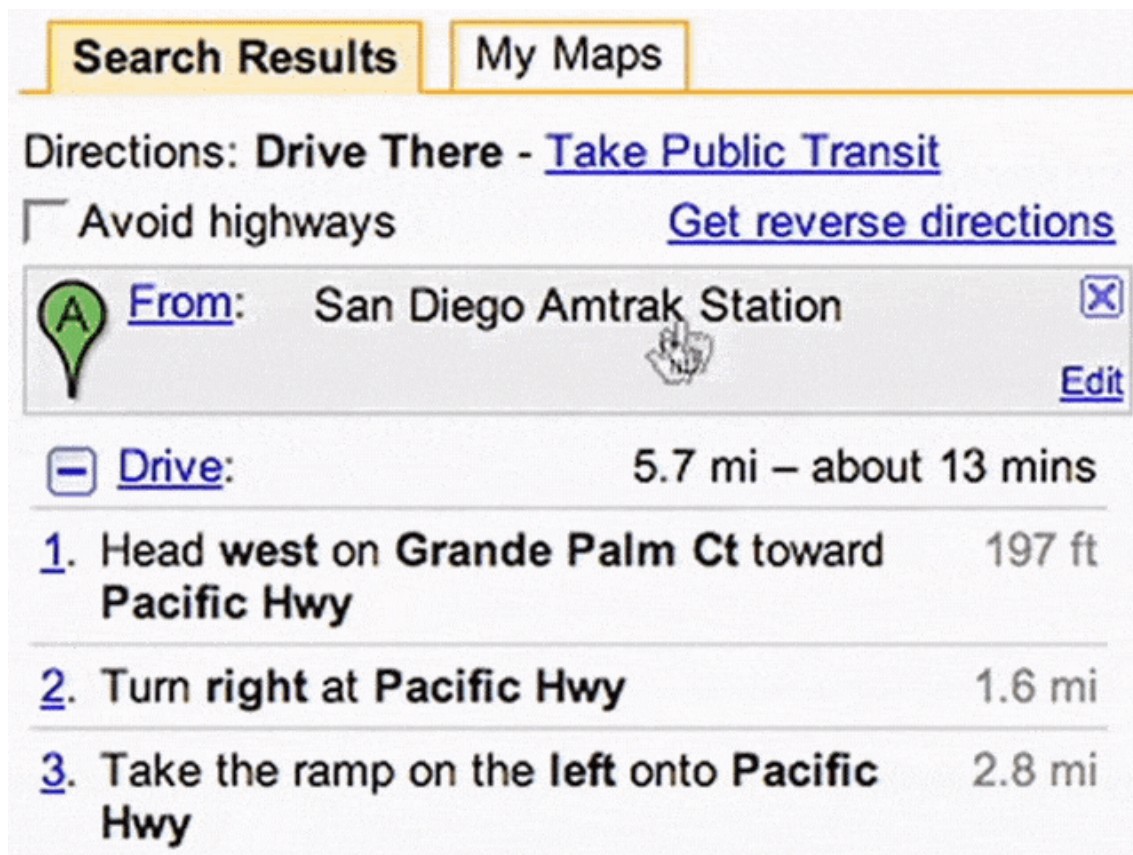
Google Maps in 2005

2. Introducing Google Earth. Just a few months later, [Google Earth landed](#), bringing 3D views of the planet to desktops. Imaging technology has improved significantly since then, and now Google Earth features more than 36 million square miles of high-definition satellite images for digital explorers to journey through.

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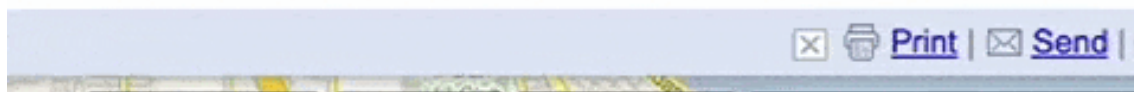
Maps Platform every week.

4. Google Trip Planner takes on Portland. In December 2005, [Portland, Oregon became the first city to use Transit Trip Planner](#), helping commuters see public transit schedules and routes. It started as a standalone product but was eventually folded into Google Maps. Over the years, the feature made its way to cities across the globe.

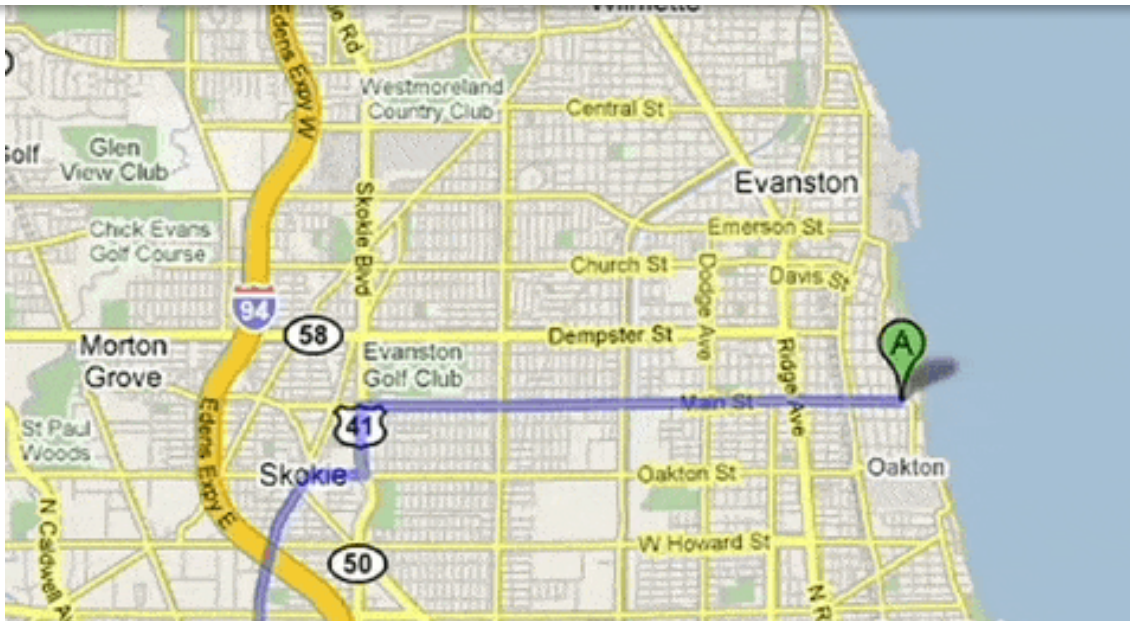


A clip from a 2008 video showing a public transit trip

5. Real-time traffic news. Nobody likes traffic—but traffic updates are another story. About two years after launching Google Maps, we introduced [real-time info on traffic conditions for more than 30 U.S. cities](#). And so the phrase “there’s a lot of red...” was born.



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An early version of traffic conditions in Maps (on desktop!)

6. Take it to the Street View. May 29, 2007 marked [the debut of Street View](#), which has become a much-beloved part of Google Maps. To collect imagery for Street View, we've strapped cameras to everything from snowmobiles to camels, and in total, captured more than 10 million miles.



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Street View might win the award for Google's [quirkiest launch video](#) ever.

7. Maps goes mobile. Yes, there was a time before smartphones could direct you anywhere and everywhere. Building on several years of work, in November 2007 we [released](#) version 2.0 of Google Maps for mobile, available for Blackberry, Palm devices and others. In 2008, our first Android app launched, followed by the iOS app in 2012.

8. Navigation gets the green light. In 2009, a welcome update to Maps brought [turn-by-turn navigation to the app](#). No more getting lost after you missed a turn!



A clip from a 2009 launch video for turn-by-turn navigation. Groovy.

9. Street View Trekker takes us to new heights—literally. You might have thought Street View was already capturing unusual places, but in 2012 we [introduced the Street View Trekker](#), bringing all the high-tech equipment needed to capture imagery into a backpack. We first took the Trekker out to explore the Grand Canyon, and since then it's captured imagery from hard-to-reach places like the Amazon rainforest and the top of the Eiffel tower.

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The Street View Trekker's first stop? The Grand Canyon.

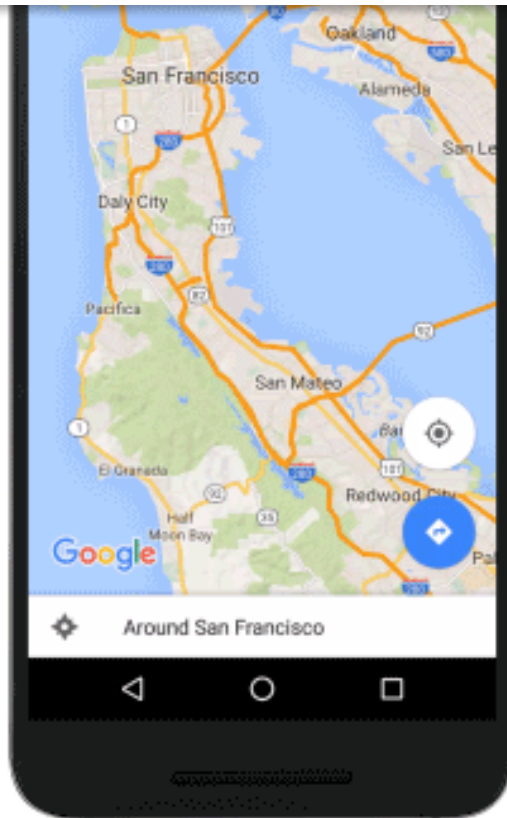
10. Say hello to hidden gems. Google Maps isn't only about exploring the globe; we've also loved helping people find out what's in their own neck of the woods. Building on our longstanding work to provide relevant local information, in 2014, we made it easier to browse [information like hours, ratings and prices about restaurants, bars and hotels](#). Today, you can see these sorts of details for about 200 million businesses and places worldwide—right from your Explore tab.

11. Taking care of businesses. We've always made it a priority to help businesses share relevant information on Google, and in June 2014, we made that even easier with [Google My Business](#). It's a one-stop-shop for business owners to manage their presence on Google Maps and Search by updating their business info, adding photos, responding to reviews and more.

12. No connection? No problem. In November 2015, [we launched offline maps](#), so that even when you don't have connectivity, you can still get turn-by-turn driving directions, search for specific destinations and find useful information about places.



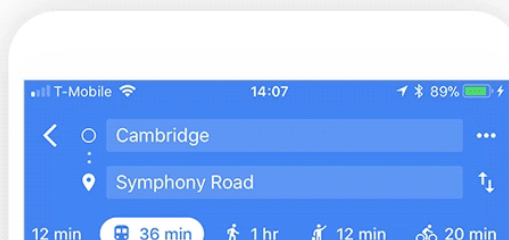
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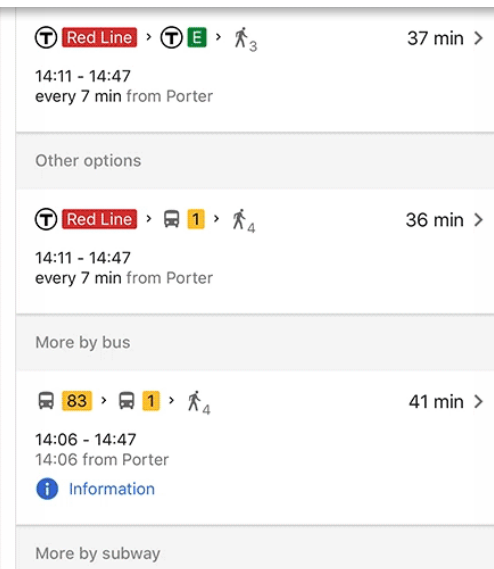
A GIF from 2015 showing offline access

13. Meet your Local Guides. In the same month, [we introduced the Local Guides program](#), a passionate community of users (now 120 million Local Guides strong!) who share reviews, photos and knowledge about places around the world.

14. Have wheelchair, will travel. In March 2018, [we brought wheelchair-accessible routes](#) to Google Maps to make transit and navigation easier for those with mobility needs. Today, Google Maps includes accessibility info like wheelchair-friendly entrances and restrooms for more than 50 million places around the world.



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A 2018 GIF showing wheelchair accessible information in Maps

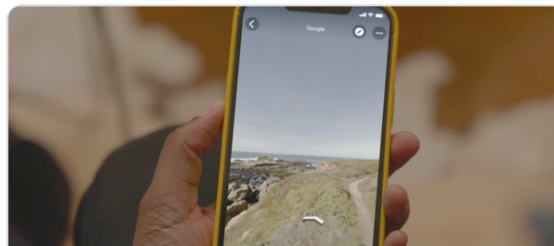
15. And we're live—with Live View. [Last February, we announced Live View](#), which uses augmented reality to help you understand which way to walk, with arrows and directions clearly overlaid on your view of the world.

The world is constantly changing, and so is the way we get around in it. And as it does, Google Maps will be there every step of the way, building new tools that help you navigate, explore and get things done, wherever you are.

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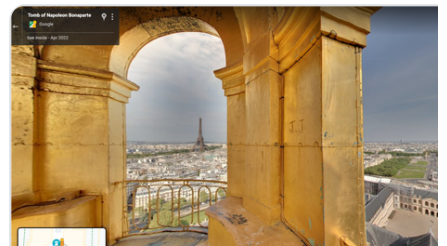
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Street View turns 15
with a new camera and
fresh features

May 24, 2022



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HBD to us! Let's
celebrate with Street
View adventures

May 24, 2022



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